0069111

SAF-RC-001 Industrial Hygiene Sampling FINAL DATA

NO DISTRIBUTION REQUIRED

COMMENTS:

SDG <u>06-S-0352</u> SAF-RC-001

Rad only X Chem only Rad & Chem

X Complete Partial

100 Area, 100N, 1715 Tank





Submitted To:

Denise Pitts

Washington Closure Hanford

3070 George Washington Way, MSIN L1-07

Richland, WA 99354

Reference Data:

Lead

Client Sample No.:

J10T72 through J10T76

P.O. No.:

Not Available

Sample Location:

100 area, 100 N, 1715 tank

Sample Type:

Ghost Wipe

Method Reference:

NIOSH 9100

DCL Set ID No.:

06-S-0352

DCL Sample ID No.:

06-01877 through 06-01880

Sample Receipt Date: Preparation Date:

1/27/2006 01/27/06

Analysis Date:

01/27/06

The samples were prepared and analyzed in accordance with NIOSH method 9100 using a Perkin Elmer 3000XL (ICP) purged spectrometer.

The results are provided in the enclosed data table. Results relate only to the items tested and are not blank corrected unless indicated in the data table.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Chris Baugues Analyst Reviewer

CINCINNATI OFFICE 4388 GLENDALE-MILFORD ROAD CINCINNATI, OHIO 45242-3706 513 733-5336, FAX 513 733-5347 WEST COAST OFFICE 11 SANTA YORMA COURT NOVATO, CALIFORNIA 94945 800 280-8071, FAX 415 893-9469

Results Lead

Client #	DCL #	Total Area (cm ²)	μg/Wipe (μg/100 cm²)
J10T72	06-01877	100	10.
J10T73	06-01878	100	3200.
J10T75	06-01879	0	ND
J10T76	06-01880	0	ND
	Prep Blank		ND
% Recovery	LCS 1		91.
% Recovery	LCS 2		92.
RPL		+	2,0

ND = not detected at or above the reporting limit (RPL). LCS = laboratory control sample.

Chris Baugues Analyst



Payroll #: 13219	<i>iduit</i>	Company (Denise A. Sampling I	Pitts and Heary W	. Ruby	USTODY/S	Telephone 531-1:	No. 229		Project Courdi Joan H. Kesme	nator T	<u> </u>	Data Tu	maround R	u SH	
Type of Sample:		100 Are	4, 100 N,		All relevant C	SAF No. RC-001		2	hour	-					
Shipped To: Deta Choun Cin cinnati POSSIBLE SAMPLE F	6H	Wipe Same Ghost D	Wipe Sample Media: Ghost KLYes No Other			ANALYSIS METHOD (SPECIFICADIO)					Method of Shipment FACIS GAVENS Bill of Lading/Air Bill No. 8534 1811				
pecial Handling and		MAT A - All WI - WI X - OI	X - OTHER		eservation (i.e., cooling required, etc.)		No	No	No No	No	No No		366		
SAMPLE NO.	MATRIX	SAMPLE ANALY	VOLUME (LA)		- Comments	Asbestos Airborne	Lead Airborne	Beryllium	~~/		Lead	-	 		
510772	VI	1-26-01	× ×	 	Ma	do	\	Allocation	Wipe	Mold	wipe		1		
J10773	ws	1-26-06	κ.	 	Ne	018	1		-		X		P		
J10T75	WI	1-26-06	*	Blan		018					×		1-26-00	+	
J10776	wı	1-26-06	×	Blan		0/8		+			K			$\overline{}$	
								26-06	*		X				
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		K										1	a		
		1-26-06										1-26-00	K +		
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H-SH-202 (08/29/20				_			1							1	

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			USE MILITARY TIME		
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Tockes cab	vnet BIG93146 Km#	(GDATE/THE	National By/Satrali:	 	DATE/IME //30
GustiMale	-, Goldie Malhan	01-26-06 1430 DATE/TIME WIH	RZ Steffler	8.2 Still	1-26-06
RZ Steff/11	- R.3. Stell	1-26-06 / 1530	Fed Ex		DATE/TIME
Reinfragnaphink By/Siegrali	Tel 50	DATE/TIME	Roceived By Rhaned:	1	12706 D'31
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Retinquested By Stored		DATE / TIME	Received By Stored:		DATE/TIME
Pediagraphed By/Storod:		DATE / TIME	Received By-Stored		DATE/TIME
LABORATORY SECTION	Received/By	160			27 06 10:30
REVIEWED BY:				DATE:	
		PRINT/SIGN NAME			





			CHAIN C	F CUSTO	DY/S	AMPLE A	ANALY	SIS RE	QUEST								
Collector: Particle V:	chit	Company Control Denise A. Pi	ontact itts and Henry W. R	uby		Telephone 1 531-122			Project Coordin Joan H. Kessne			Data Turn	around Ru	15H!			
Payroll #: 13219		Sampling Lo	cation		SPECIAL INSTRUCTIONS All relevant COAs must be provided: L1715 N T Y T Z ANALYSIS METHOD (SPECIFIC):				SAF No. RC-001 Method of Shipment FLACIA GYVEN Bill of Leding/Air Bill No.								
Type of Sample:		m15	tenk	ANA													
Shipped To: Deta Cham Cincinnati	, o#	Wipe Sampl Ghost Z Other	LYes □ No	NS-05H 9106				8534 1811 7566									
	AMPLE HAZARD/REMARKS A - AIR WI - WIPE X - OTHER AMATRIX A - AIR Preserve Req			servation (i.e., o required, etc.)		No	No	No	No	No	No						
		SAMPLE ANALYSIS								 		 \	 	<u> </u>			
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME flag	Comme	:ato	Ashestos Airborne	Lead Airborne	Beryllium Airborn		Mold	wipe						
J10772	N	1-24-04	*	Na							×		Va.				
J10773	ws	1-26-06	*	Na	•						×		1-26-00				
J10T75	wI	1-26-06	*	Blank							K						
J10776	WI	1-512-06	×	Blank					m		X						
						-0/	7 -	26-06									
				@	0	PY		من									
		•			-	U		1	ELD SI	MPLE	COP	Y	a				
		1-26-06										1-26-00					

J10T72	
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		CHAIN OF CUSTODY/SAM	IPLE ANALYSIS REQUEST	
		SIGN / PRINT NAMES	USE MILITARY TIME	
Relanquished By/Stored		DATE/TRAE	Received By/Stated	DATE/TIME
Start Patr	ick Vichit met Blog 3 146, Rm	1-26-06 1140	3746 Blog, Ron 16 ported cabinet	1-26-06 1140 DATE/FINE 1430
Minglished By Stored Cabo	net BIOG 3146 RM	#16DATE/TIME	3746 Blog Kan 16 ported cabinet	DATE/ITME 1430
Godemale	-, Golde Malhan	01-26-06 1430 DATE/TIME W.CH	RZ Steffler 1.7. Step	1-26-06
RZ Steffler	As Stell	1-26-06 / 1530	Fed Ex	DATE / TIME
Reimquaked By/Stored		DATE / TIME	Received By /Storet:	DATE / TIME
Relinquished By/Stored		DATE / TIME	Received By/Swared	DATE / TIME
				•
Relinquished By/Stored		DATE/TIME	Received By Stored:	DATE / TIME
Relinquished By/Stored.		DATE / TIME	Received By /Stored:	DATE / TIME
Retunquished By/Stored.		DATE / TIME	Received By/Stered:	DATE / TIME
Relinquished By/Stored		DATE / TIME	Received By/Stored:	DATE / TIME
D. L. D. K.				
Relanquished By/Stored:		DATE / TIME	Received By/Stored	DATE / TIME
			FIELD SAM	PLE COPY
LABORATORY SECTION	Received By	Title		DATE / TIME
REVIEWED BY:			DATE:	
		PRINT/SIGN NAME		

SAF-RC-001 Industrial Hygiene Sampling FINAL DATA

NO DISTRIBUTION REQUIRED

COMMENTS:

SDG <u>06-A-0354</u> SAF-RC-001

Rad only X Chem only Rad & Chem

X Complete Partial

1314N



SUBMITTED TO:

Denise Pitts
Washington Closure Hanford
3070 George Washington Way, MSIN L1-07
Richland, WA 99354

REFERENCE DATA:

Client Sample Nos.:

J10T66 through J10T70

P.O. Number:

Not Available

Sample Location:

1314N

Sample Type:

MCE Air Filters

Method Reference:

Airborne Fibers by Phase Contrast Microscopy (PCM) NIOSH Method 7400, Fourth Edition, (dated 8/15/94)

Date Received:

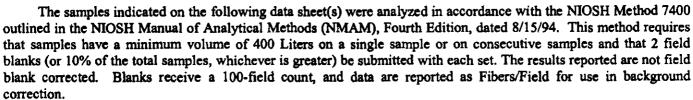
1/27/2006

DCL Sample Set ID No.:

06-A-0354

DCL Sample Nos.:

06-01887 through 06-01890



Results are tabulated on the following page(s). Results are reported in Fibers/mm², Fibers per Filter and Fibers/mL (Fibers/cc). Concentrations in Fibers/mL are based on sample volumes or flow rates and times provided by the client. Results for all samples are based on the use of a 0.8-\mu m pore size, 25-millimeter diameter filter having an effective collection area of 385 mm². Report applies only to portion(s) of sample(s) analyzed. Samples will be disposed of after 60 days unless otherwise instructed.

The limit of detection (LOD) for this method has been determined to be 7 Fibers/mm² for a sample volume of approximately 1200 Liters.

DataChem Laboratories adheres to the QA/QC guidelines set forth in this method that calls for 10% blind replicate analysis. The QA/QC officer maintains all QA/QC data at our laboratory.

DataChem Laboratories is American Industrial Hygiene Association (AIHA) accredited. Laboratory accreditation does not in any way constitute approval or endorsement by AIHA.

Sarah Scotland

Analyst

Anna Marie Ristich Section Manager

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4388 GLENDALE-MILFORD ROAD CINCINNATI, OHIO 45242-3706 513 733-5336, FAX 513 733-5347 ADOTATOTICS.
WEST COAST OFFICE
11 SANTA YORMA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

8or AUR

DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Washington Closure Hanford

Sample Location: 1314N

P.O. No.: Not Available

ANALYSIS INF	ORMATIO							
Graticule Area (mm²):	0.00817							
SAMPLE INF	ORMATION			SAMPLE	RESULTS		LO	D
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm ²	Fib/Filter	Fib/mL	(Fib/mm ²)	(Fib/mL)
J10T66	06-01887	66.00	2.410	295	113,568	1.721	7	0.041
J10T69	06-01888	63.00	1.100	135	51,836	0.823	7	0.043
J10T67	06-01889	NA	0.005	<lod< td=""><td><lod< td=""><td>NA</td><td>7_</td><td>NA</td></lod<></td></lod<>	<lod< td=""><td>NA</td><td>7_</td><td>NA</td></lod<>	NA	7_	NA
J10T70	06-01890	NA	0.000	<lod< td=""><td><lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<></td></lod<>	<lod< td=""><td>NA</td><td>7</td><td>NA</td></lod<>	NA	7	NA

^{**}Comments: none.

*NOTES: "NA" indicates no volume was given or the sample is a blank.

All samples counted using the "A" rules.

Sarah Scotland

Analyst

Arna Marie Ristich Section Manager

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	!				7/0770	1)0Th-1	310769	1016p	SAMPLE NO.		Special Handling and/or Storage	Habada HAZA	Das Church Cinchnation	Shipped To:	As beeds	Payroll 4: 73484	Collector Helkowston	
					P	▶	P	7	MATRIX		for Storage	A AMERICANA	inchro H	;		84	Water.	
					42510%	112510	Vasia	125/04	SAMPLE DATE	SAMPLE ANALYSIS	X · OTHER	A - AIR	O R	Chost Engl	181	Sampling Location	Company Contact Denise A. Pits and	
	1/25/01	À			Z F	7	6	طع	Annual (1) or	/S186		7	1757	The Real Property of the Prope	NHE!	Californ	Company Contact Denine A. Pitts and Henry W. Ruby	CHAIN 0
					Blank	Blank	てよ	ズ _ア	C		referent on.)	Preservation (i.e., cooling		- a	YATANA	All relevan		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST
/					×	×	×	*	Airborne		ă		NIOSH 1400	6-A-03	ANALYSIS METHOD (SPECIFIC):	SPECIAL INSTRUCTIONS All relevant COAs must be provided:	Telephone No. 531-1229	//SAMPLE/
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									Mole] 	F	8537		7	Ri	3	
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															>		Data Turnaround	
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WCH-SH-202 (08/29/2005)

	CHAIN OF CL	STODY/SAMPLE ANALYS	SIS REQUEST	
		PRINT NAMES / USE MILITARY		
Bullinguished By/Stored	DATE/THE	Resirved Syrfamot:		DATE/TIME
First - 13	Frictphenson 1/25to6	1415 Lacked PM.	45h(25hem h	1/25/64 14/3
Pault med	Danul Wolf 126/06 0830	3746 Aldy, R	1. 16, locked cabinet 1)	· · · · · · · · · · · · · · · · · · ·
2714 Blog. RM	#16, locked cabinetime	Respired By/Sound		DATE/TIME
Gold Mall	har Goldie Malhan of the	06 1430 RZ Ster	Aler R. Stelle	1-26-06 1430
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Telingished Oylkerd	DATE / TIME	Parcel vel By Phones.		DATE/TIME
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Reliequisted by/Surest	DATE / TIME	Received By/Salmati		DATE/TRAE
LABORATORY SECTION	Received By Title	250		127/06 10,30
REVIEWED BY:			DATE:	
	PRINT/SIG	N NAME		



			CHAIN O	F CUSTODY/S	AMPLE A	ANALY	SIS RE	EQUEST							
Collector:	awsov	Company Co Denise A. Pi	ontact itts and Henry W. Ru	ıby	Telephone ! 531-122			Project Coordina Joan H. Kessner	ttor		Data Tuma	round			
Payroll #:		Sampling Lo	ocation	SPECIAL INST All relevant CO	As must be pro	vided:		SAF No. RC-001			-	24~46	2_		
Type of Sample:	- •	131	1N.	_	ANALYSIS METHOD (SPECIFIC):				Method of Shipment Bill of Lading/Air Bill No.						
Shipped To:	incom H	Wips Sample Ghost Other	e Media: No	NT	4 F 420:	~		Bill of Lading/A	8534 1811 7566						
POSSIBLE SAMPLE I	POSSIBLE SAMPLE HAZARD/REMARKS RSDc.salps A - AIR Special Handling and/or Storage WI - WIPE X - OTHER Preservation (i.e., or the construction of the construction				No	Na	Na	No	No	- a - z					
		SAMPLE ANALY	'SIS		†							1			
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L) or Area cm²	Comments	Asbestos Airborne	Lead Airborne	Besylliu Airbern		Moid						
2101.00		1/25/06	طو	NR	X										
PATOLE	<u> </u>	1/25/90	63	NA	X		<u> </u>				<u></u>				
TIOTV	A	1/25/01	MA	Blank	×					<u> </u>					
OFTOIT	A	42510%	NIL	Blank	×	 				9					
										30%			ļ		
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			1/25/01						אפ טי	MILE	COP				

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST							
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		DATE / TIME	Rozziveń By/Stored		DATE / TIME		
Paultrid	Danul Wolf 1/26/06	0930	3746 Bldg, R-1	6, locked cabinat 1/26	126 0980		
27 46 Bldg. R.	1416, locked cabil	AZE / TIME	Received By/Stored		DATE/TIME		
Gold Mal	Darul Wolf 1/26/06 1416, locked catal Char, Golde Hall An Ital	han 11-26-06 14-30	RZ Steff	w R3 Still	1-26-06 1430		
RZ Steff	u R.J. Steffe	1-26-06/1530	Fld Ex		DATE / FIME		
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				•			
Retinquished By/Storod		DATE / TIME	Received By/Stored		DATE/TIME		
Red/aquished By/Scored		DATE / TIME	Received By/Stored:		DATE/TIME		
Retraquished By/Snoted		DATE / TIME	Received By/Stored	FIELD SAM	PLE'COPY		
Relinquished By/Stored		DATE / FIME	Received By/Stored		DATE/ TIME		
LABORATORY SECTION	Received By	Title			DATE/TIME		
REVIEWED BY:				DATE:			
		PRINT/SIGN NAME					